

C L A I M S

1. Spinneret for melt spinning a plurality of strandlike filaments, with a housing (1), with a plurality of internal parts, which are formed by at least one inlet component (2) and a spinneret plate (3), and with a screwing means (7), wherein the internal parts (2, 3) are inserted into the housing (1) and held relative to each other by the screwing means (7), and wherein the inlet component (2) forms a melt inlet (5) and the spinneret plate (3) forms a melt outlet by means of a plurality of spin holes (4), characterized in that at least one expansion body (8) is arranged between the housing (1) and one of the internal parts (2), and that the expansion body (8) is formed of a material, which has a higher thermal expansion coefficient in comparison with the housing material, and which generates, when being heated, within the housing (1) a force of pressure for a self-sealing bracing of the internal parts (2, 3).

2. Spinneret of claim 1, characterized in that the expansion body (8) is arranged inside the housing (1) in such a manner that when being heated, it is possible to generate a force of pressure that is largely operative in a clamping direction that is defined by the screwing means (7).

3. Spinneret of claim 1 or 2, characterized in that the expansion body (8) and/or the material of the expansion body (8) have a structure, which cause, when being heated, the expansion body (8) to expand essentially in one direction.

4. Spinneret of claim 2 or 3, characterized in that the expansion body (8) is formed by an expansion ring, which is arranged between the inlet component (2) and a cover (16) of the housing (1) or a bottom (6) of the housing (1).

5. Spinneret of claim 2 or 3, characterized in that the expansion body (8) is formed by a plurality of expansion pieces, which are arranged between the inlet component (2) and a cover (16) of the housing (1) or a bottom (6) of the housing (1).

6. Spinneret of one of the foregoing claims, characterized in that between the expansion body (8) and the housing (1) or between the expansion body (8) and the inlet component (2), at least one pressure plate (19) is formed, which has a larger contact surface relative the expansion body (8).

7. Spinneret of one of the foregoing claims, characterized in that the expansion body (8) is permanently joined to the housing (1) or permanently to one of the internal parts (2, 3).

8. Spinneret of one of claims 1-7, characterized in that the housing is formed of a material, which has a lower thermal expansion coefficient in comparison with the materials of the inlet component and the spinneret plate.

9. Spinneret of one of claims 1-8, characterized in that inside the housing (1), between the inlet component and the spinneret plate, a filter

insert and an apertured plate are arranged, which are held in braced relationship by the screwing means.

10. Spinneret of one of claims 1-9, characterized in that between the housing (1) and the spinneret plate (3) or the inlet component (2), a spring is tensioned in such a manner that the spring force is operative in the direction of clamping, and that a gap (28) is formed between the housing (1) and the spinneret plate (3) or the inlet component (2).

11. Spinneret of one of the foregoing claims, characterized in that the material of the expansion body (8) is a metal or a metal alloy, whose melting-on temperatures are above 500°C.